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Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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of

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Application Number	10/743,917
Filing Date	24 DECEMBER 2003
First Named Inventor	Johann M. Schleier-Smith
Art Unit	1734
Examiner Name	
Attorney Docket Number	MR1735-83/DIV

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (If known)			
MM	A	US 6,216,631	04/17/2001	Wissner-Gross	
MM	B	US 6,216,538	04/17/2001	Yasuda, et al.	
MM	C	US 6,055,859	05/02/2000	Kozuka, et al.	
MM	D	US 6,029,518	02/29/2000	Oeffeling	
MM	E	US 5,951,456	09/14/1999	Scott	
MM	F	US 5,831,166	11/03/1998	Kozuka, et al.	
MM	G	US 5,711,888	01/27/1998	Trampler, et al.	
MM	H	US 5,484,537	01/16/1996	Whitworth	
MM	I	US 5,164,094	11/17/1992	Stuckart	
MM	J	US 5,006,266	04/09/1991	Schram	
MM	K	US 4,998,553	03/12/1991	Schram	
MM	L	US RE33,524	01/22/1991	Schram	
MM	M	US 4,957,606	09/18/1990	Juvan	
MM	N	US 4,879,011	11/07/1989	Schram	
MM	O	US 4,877,516	10/31/1989	Schram	
MM	P	US 4,759,775	07/26/1988	Peterson, et al.	
MM	Q	US 4,743,361	05/10/1988	Schram	
MM	R	US 4,693,879	09/15/1987	Yoshimura, et al.	
MM	S	US 4,612,018	09/16/1986	Tsuboi, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
		Country Code* Number* Kind Code* (If known)				

Examiner Signature	<i>Wenzel Schleier-Smith</i>	Date Considered	6/9/04
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Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/743,917
		Filing Date	24 DECEMBER 2003
		First Named Inventor	Johann M. Schleier-Smith
		Art Unit	1734
		Examiner Name	
Sheet	2	of	5
		Attorney Docket Number	MR1735-83/DIV

Examiner Signature: *W. H. Vande Vate* Date Considered: 6/20/04

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Substitute for form 1449/PTO		<i>Complete if Known</i>	
		Application Number	10/743,917
		Filing Date	24 December 2003
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		Art Unit	1734
		Examiner Name	
Sheet	3	of	5
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		MR1735-83/DIV	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite. No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>JMC</i>	AA	T.B. Benjamin and F. Ursell. The stability of the plane free surface of a liquid in vertical periodic motion. PROC. R. SOC. LONDON, SER A, 225:505-515, 1954.	
<i>JMC</i>	AB	MC. Cross and P.C. Hohenberg. Pattern formation outside of equilibrium. REV. MOD. PHYS., 65(3):851-1089, 1993.	
<i>JMC</i>	AC	E.A. Cerda and E. Tirapegui. Faraday's instability in viscous fluids. PHYS. REV. LETT., 78(5):859-862, 1997.	
<i>JMC</i>	AD	E.A. Cerda and E. Tirapegui. Faraday's instability in viscous fluids. J. FLUID MECH., 368:195-228, 1998.	
<i>JMC</i>	AE	P. Chen and J. Vinals. Amplitude equation and pattern selection in Faraday waves. PHYS. REV. E, 60(1):559-570, 1999.	
<i>JMC</i>	AF	W.S. Edwards and S. Fauve. Patterns and quasi-patterns in the Faraday experiment. J. FLUID MECH., 278:123-148, 1994.	
<i>JMC</i>	AG	J. Fineberg and O. Lioubashevski. Propagating solitary waves in highly dissipative driven fluids. PHYSICA A, 249:10-17, 1998.	
<i>JMC</i>	AH	Alexander Groisman and Victor Steinberg. Solitary vortex pairs in viscoelastic couette flow. PHYS REV. LETTER., 78(8):1460-1463, 1997.	
<i>JMC</i>	AI	S. Kumar. Parametrically driven surface waves in viscoelastic liquids. PHYSICS OF FLUIDS, 11(8):1970-1981, 1999.	
<i>JMC</i>	AJ	S. Fauve, K. Kumar, C. Laroche, D. Beyens, and Y. Garrabos. Parametric instability of a liquid-vapor interface close to the critical point. PHYS. REV. LETT., 68(21):3160-3163, 1992.	

Examiner Signature	<i>Wimle Devech Jr.</i>	Date Considered	6/2/04
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite. No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>JMC</i>	AK	O. Lioubashevski, Y. Hamiel, A. Agnon, Z. Reches, and J. Fineberg, Oscillons and propagating solitary waves in a vertically vibrated colloidal suspension. PHYS. REV. LETT., 83(16):3190-3193, 1999.	
<i>JMC</i>	AL	S. Kumar. Mechanism for Faraday instability in viscous liquids. PHYS. REV. E, 62(1):1416-1419,2000.	
<i>JMC</i>	AM	Ron Lifshitz and Dean M. Petrich. Theoretical model for Faraday waves with multiple-frequency forcing. PHYS. REV. LETT., 79(7):1261-1264, 1997.	
<i>JMC</i>	AN	F. Melo, P.B. Umbanhowar, and H.L. Swinney. Hexagons, Kinks, and Disorder In Oscillated Granular Layers. PHYS REV. LETT., 75(21):3838-3841, 1994.	
<i>JMC</i>	AO	T. Pritchett and J.K. Kim. A low-cost apparatus for the production of surface wave patterns in a vertically oscillating fluid. AM. J. PHYS., 66(9):830-833, 1998.	
<i>JMC</i>	AP	Uri Raviv, Pierre Laurat, and Jacob Klein. Fluidity of water confined to subnanometre films. NATURE, 413:51-54, 2001.	
<i>JMC</i>	AQ	P.B. Umbanhowar, F. Melo, and H.L. Swinney. Localized excitations in a vertically vibrated granular layer. NATURE, 382(29):793-796, 1996.	
<i>JMC</i>	AR	Chen Weizhong and Wei Ronjue. Primary instabilities in Faraday waves under an arbitrarily periodic excitation. PHYS. REV. E, 57(4):4350-4353,1998.	
<i>JMC</i>	AS	Xinlong Wang, and Ronjue Wei. Oscillatory patterns composed of parametrically excited surface-wave solitons. PHYS. REV. E, 57(2):2405-2410, 1998.	
<i>JMC</i>	AT	A. Wernet, C. Wagener, D. Papathanassiou, H.W. Muller, and K. Knorr. Amplitude measurements of Faraday waves. PHYS. REV. E, 63(036305): 1-9, 2001.	

Examiner Signature	<i>Wolfe Newark Jr.</i>	Date Considered	6/1/04
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		Application Number	10/743,917
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Sheet	5	of	5
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#### NON-PATENT LITERATURE DOCUMENTS

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This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.41. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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